

Supplementary Online Content

Perlis RH, Simonson MD, Green J, et al. Prevalence of firearm ownership among individuals with major depressive symptoms. *JAMA Netw Open*. 2022;5(3):e223245. doi:10.1001/jamanetworkopen.2022.3245

eTable 1. Multiple Logistic Regression Model Examining Association of Presence or Absence of Moderate Depressive Symptoms and Sociodemographic Features With Current Firearm Ownership

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eFigure 4. Sociodemographic Features Associated With Firearm Ownership Among Individuals With Moderate or Greater Depressive Symptoms and Suicidality

This supplementary material has been provided by the authors to give readers additional information about their work.

Supplemental Materials

eTable 1. Multiple logistic regression model examining association of presence or absence of moderate depressive symptoms and sociodemographic features with current firearm ownership

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	OR	[95%	CI]	p-value
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Moderate depression	1.0738	0.9851	1.1705	0.1054
Age (years)	1.0024	0.9999	1.0048	0.0559
Gender (female)	0.8518	0.7903	0.918	<.0001
Ethnicity (Hispanic)	0.6256	0.5424	0.7215	<.0001
Race (Black)	0.8646	0.7601	0.9834	0.0268
Race (Asian)	0.5174	0.4302	0.6222	<.0001
Race (Other)	0.8254	0.6455	1.0554	0.1261
Education (Some college or greater)	0.8495	0.7818	0.9229	0.0001
Employed	1.1158	1.0258	1.2137	0.0107
Income (per \$10k)	1.0582	1.0499	1.0666	<.0001
Region (Northeast vs Midwest)	0.5246	0.4651	0.5918	<.0001
Region (South vs Midwest)	1.2243	1.1181	1.3406	<.0001
Region (West vs Midwest)	1.0897	0.9815	1.2097	0.1074
Suburban vs Rural	0.6907	0.6248	0.7636	<.0001
Urban vs Rural	0.5725	0.5081	0.6451	<.0001
Ideology	1.079	1.0491	1.1098	<.0001
Party (Democrat vs Republican)	0.5204	0.465	0.5823	<.0001
Party (Independent vs Republican)	0.6856	0.6209	0.757	<.0001
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eTable 2. Multiple logistic regression model examining association of presence or absence of moderate depressive symptoms and sociodemographic features with initial firearm purchase during the COVID-19 pandemic

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	OR	[95%	CI]	p-value
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Moderate depression	1.7734	1.5547	2.0229	<.0001
Age (years)	0.9813	0.9772	0.9855	<.0001
Gender (female)	0.834	0.7333	0.9486	0.0057
Ethnicity (Hispanic)	0.7024	0.5511	0.8952	0.0043
Race (Black)	0.9527	0.7657	1.1854	0.6637
Race (Asian)	0.5367	0.384	0.75	0.0003
Race (Other)	1.1024	0.7731	1.572	0.5902
Education (Some college or greater)	0.9463	0.8146	1.0993	0.4703
Employed	1.479	1.2697	1.7229	<.0001
Income (per \$10k)	1.0557	1.0426	1.069	<.0001
Region (Northeast vs Midwest)	0.6371	0.5132	0.791	<.0001
Region (South vs Midwest)	1.1964	1.0194	1.4042	0.0281
Region (West vs Midwest)	1.0049	0.8395	1.2028	0.9576
Suburban vs Rural	0.6718	0.5662	0.797	<.0001
Urban vs Rural	0.6546	0.5332	0.8036	0.0001
Ideology	1.05	0.9995	1.1031	0.0524
Party (Democrat vs Republican)	0.5317	0.4419	0.6398	<.0001
Party (Independent vs Republican)	0.5517	0.4638	0.6563	<.0001
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eTable 3. Multiple logistic regression model examining association of presence or absence of moderate depressive symptoms and sociodemographic features with initial firearm purchase during the COVID-19 pandemic, including interactions with major depressive disorder

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	OR	[95% CI]	p-value
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Moderate depression	2.4289	1.4329	4.1174	0.001
Age (years)	1.0052	1.0023	1.0081	0.0004
Gender (female)	0.8805	0.8079	0.9595	0.0037
Ethnicity (Hispanic)	0.6931	0.5827	0.8245	<.0001
Race (Black)	0.9321	0.8014	1.0842	0.3619
Race (Asian)	0.503	0.4037	0.6269	<.0001
Race (Other)	0.8827	0.6426	1.2125	0.4412
Education (Some college or greater)	0.844	0.7684	0.9269	0.0004
Employed	1.1656	1.0552	1.2877	0.0026
Income (per \$10k)	1.0545	1.0451	1.0639	<.0001
Region (Northeast vs Midwest)	0.4696	0.4085	0.5397	<.0001
Region (South vs Midwest)	1.1553	1.0397	1.2838	0.0073
Region (West vs Midwest)	1.0777	0.9547	1.2167	0.2263
Suburban vs Rural	0.6927	0.6158	0.7792	<.0001
Urban vs Rural	0.5545	0.4822	0.6377	<.0001
Ideology	1.1153	1.0785	1.1533	<.0001
Party (Democrat vs Republican)	0.5173	0.4533	0.5903	<.0001
Party (Independent vs Republican)	0.7192	0.6422	0.8054	<.0001
Interaction of moderate depression with...				
Age (years)	0.9884	0.9826	0.9942	0.0001
Gender (female)	0.915	0.7669	1.0916	0.3237
Ethnicity (Hispanic)	0.7256	0.5351	0.9839	0.039
Race (Black)	0.7769	0.5806	1.0394	0.0892
Race (Asian)	1.0434	0.6986	1.5584	0.8357
Race (Other)	0.7958	0.4834	1.31	0.3691
Education (Some college or greater)	1.0643	0.8714	1.3	0.5413
Employed	0.8883	0.7341	1.0748	0.223
Income (per \$10k)	1.0082	0.9896	1.0271	0.3898
Region (Northeast)	1.5553	1.1782	2.0532	0.0018
Region (South)	1.2506	1.0162	1.5391	0.0347
Region (West)	1.0675	0.8387	1.3586	0.5957
Suburban vs Rural	0.9793	0.7793	1.2306	0.8574
Urban vs Rural	1.0992	0.8379	1.4419	0.4946

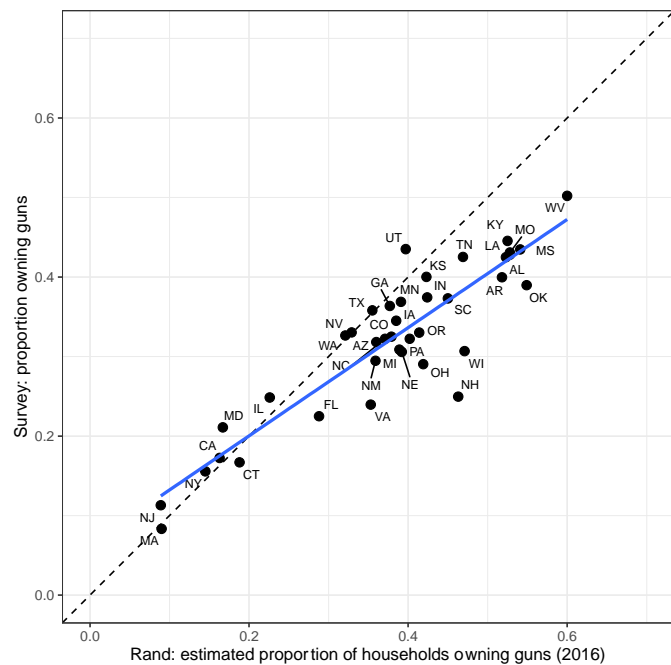
Ideology	0.9098	0.8557	0.9673	0.0025
Party (Democrat vs Republican)	1.0549	0.8181	1.3603	0.6801
Party (Independent vs Republican)	0.8816	0.6968	1.1153	0.2935
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* indicate interactions with $p < 0.05/17$ (~0.003)				

eTable 4. Multiple logistic regression model examining association of presence or absence of moderate depressive symptoms and sociodemographic features with intention to purchase a firearm in the near future

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	OR	[95%	CI]	p-value
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Moderate depression	1.5277	1.2278	1.9009	0.0001
Age (years)	0.9833	0.9766	0.9901	<.0001
Gender (female)	0.7115	0.5813	0.8709	0.001
Ethnicity (Hispanic)	0.9408	0.6866	1.2889	0.7039
Race (Black)	1.6191	1.2378	2.1178	0.0004
Race (Asian)	0.7009	0.4602	1.0677	0.098
Race (Other)	1.419	0.7838	2.5689	0.2479
Education (Some college or greater)	0.6822	0.5432	0.8568	0.001
Employed	1.7484	1.3811	2.2133	<.0001
Income (per \$10k)	1.0194	0.997	1.0424	0.0905
Region (Northeast vs Midwest)	1.1384	0.8173	1.5855	0.4433
Region (South vs Midwest)	1.4897	1.1393	1.9478	0.0036
Region (West vs Midwest)	1.3317	0.9885	1.794	0.0597
Suburban vs Rural	0.8028	0.5961	1.0812	0.1482
Urban vs Rural	0.9262	0.6691	1.2821	0.6439
Ideology	1.1588	1.0777	1.246	0.0001
Party (Democrat vs Republican)	0.8088	0.5982	1.0935	0.1679
Party (Independent vs Republican)	0.7387	0.549	0.9939	0.0455
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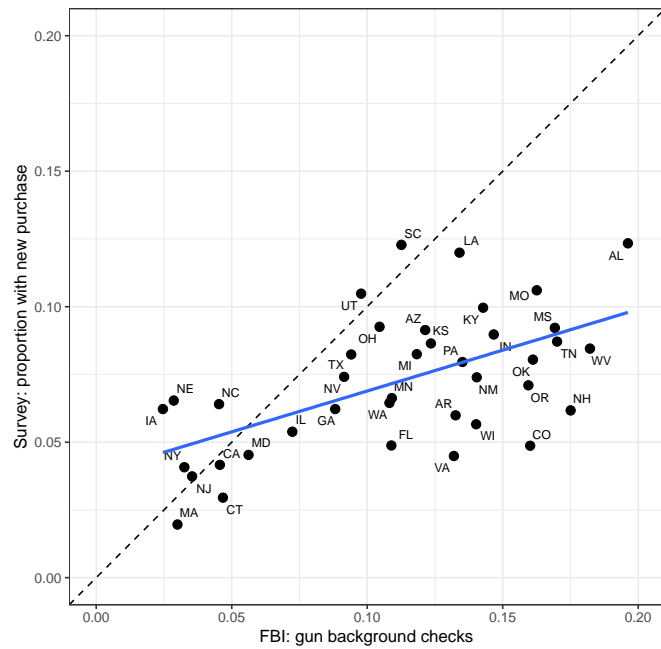
eFigure 1.

Proportion by state of households owning guns in 2016 Rand data, compared to proportion of respondents who report owning guns in April 2021 covidstates.org survey



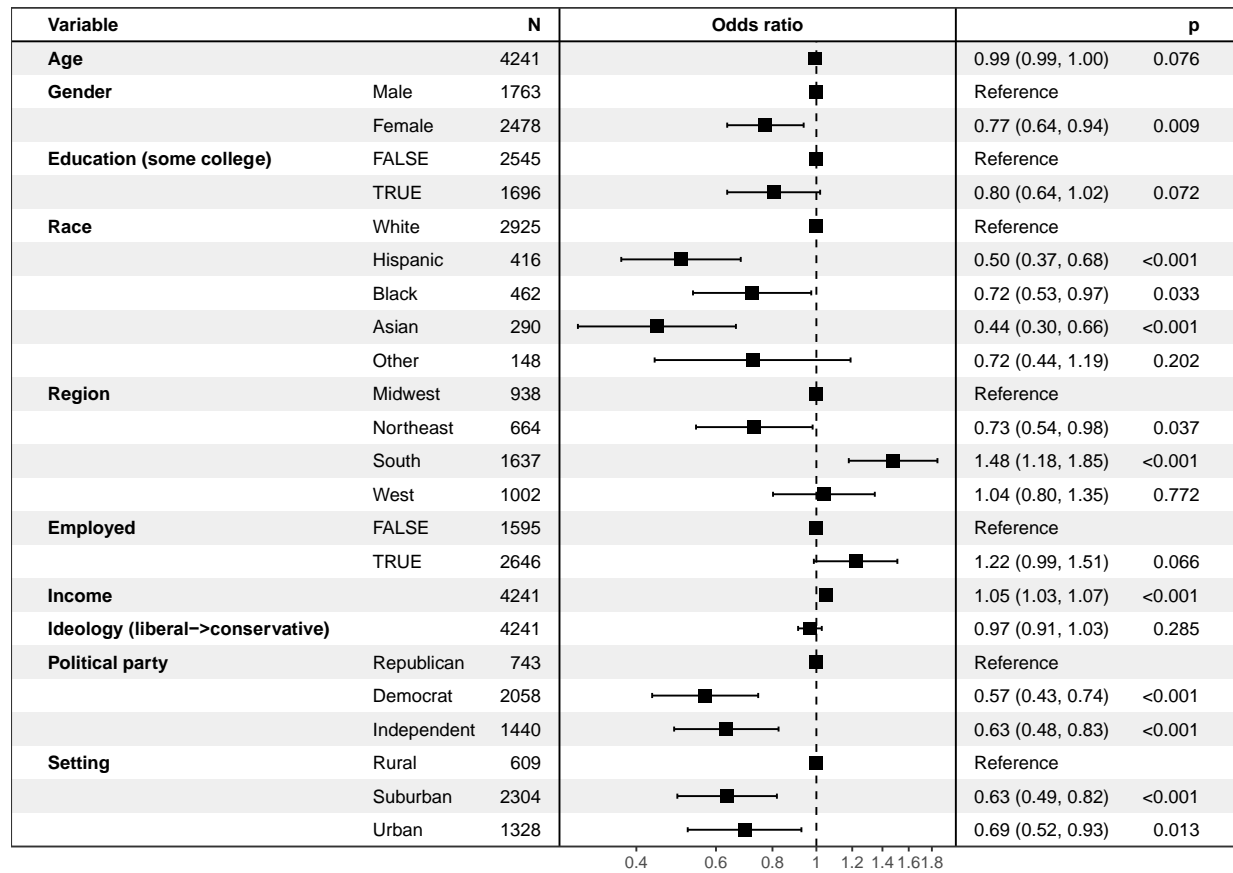
eFigure 2.

Ratio by state of firearm background checks to adults 18 and older, compared to proportion of respondents who report any gun purchase in 2 years prior to April 2021 covidstates.org survey



eFigure 3.

Sociodemographic features associated with firearm ownership among individuals with moderate or greater depressive symptoms and suicidality



eFigure 4.

Sociodemographic features associated with firearm ownership among individuals with moderate or greater depressive symptoms and suicidality

